Sikulix Guide

**Get SikuliX IDE up and running!**

SikuliX IDE is a powerful tool for automating UI interactions using image recognition. It allows you to automate tasks on any screen-based application, regardless of the technology used.

**Step 1: Download Java**

1. **Go to the Official Java Website:**
   * Visit the official Oracle Java download page: [Oracle Downloads](https://www.oracle.com/java/technologies/downloads/#jdk23-windows) (or search for the latest version of JDK).
2. **Select the Java Version:**
   * Choose the **JDK (Java Development Kit)** download for your operating system.
   * For most users, the latest LTS (Long-Term Support) version is recommended, such as **JDK 17** or **JDK 23**.
3. **Download Java:**
   * Select the appropriate version for your system:
     + **Windows**: x64 Installer
     + **macOS**: .dmg package
   * Accept the **license agreement** and click the **download** button for your OS.

**Step 3: Install Java**

1. **Run the Installer:**
   * Once the .exe file is downloaded, run it to start the installation process.
   * Follow the installation steps:
     + Choose the installation folder (the default is usually fine).
2. **Set JAVA\_HOME (Optional but recommended):**
   * After installation, you may need to set the JAVA\_HOME environment variable:
     + Right-click on **This PC** (or **My Computer**) and select **Properties**.
     + Click **Advanced system settings** > **Environment Variables**.
     + Under **System Variables**, click **New** and set:
       - **Variable name**: JAVA\_HOME
       - **Variable value**: Path to your JDK installation (e.g., C:\Program Files\Java\jdk-17).
     + Add %JAVA\_HOME%\bin to the **Path** variable to run Java from anywhere.

**Step 4: Extract SikuliIDE**

*Optional: Double check java is installed correctly in cmd:*

java -version

java version "23.0.2" 2025-01-21

Java(TM) SE Runtime Environment (build 23.0.2+7-58)

Java HotSpot(TM) 64-Bit Server VM (build 23.0.2+7-58, mixed mode, sharing)

1. **Locate the ZIP file** in File Explorer.
2. **Right-click** the file and select **Extract All**.
3. Choose a **destination folder** —for easy access, it's best to extract it to the **Desktop**.
4. Click **Extract**.

**Step 5: Locate SikuliX IDE**

1. Go to your **Desktop** where you extracted the **SikuliX IDE**.
2. You should see the **sikulixide-2.0.5.jar** file.

**Step 6: Open SikuliX IDE**

* + **Double-click** the **sikulixide-2.0.5.jar file** to run SikuliX IDE.
  + If you see a message like "Windows protected your PC," click **More info** and then **Run anyway**.
  + If double-clicking doesn’t work, open **Terminal** and navigate to the folder where SikuliX is extracted, then **run**:

May have to adjust this line if you extracted the folder in a different location.

cd C:\Users\YourUsername\Desktop\SIKULIX

java -jar sikulixide-2.0.5.jar

**The SikuliX IDE will now open, and you can begin using it for your automation tasks.**

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**Step 7: Open a SikuliX Project**:

* Go to the **File** menu in the top-left corner of the IDE.
* Select **Open Project**.

**Step 8: Choose Your Project Folder**:

* Browse to Desktop (or wherever you saved the folder)
* A screenshot of a computer

  AI-generated content may be incorrect.Select the project folder you want to open, *Eg. Create Patient*
* Click **Select**.

**Step 9: View and Edit Your Project**:

* Your SikuliX project will now be loaded in the IDE. You can start viewing or editing your existing scripts.

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**Example 1: How to use CreatePatient**

This File will help automate the creation of a patient on your chosen WelshPAS SIT environment

1. **Adjust the your login details & patient details as you need within the speech marks**

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1. **Go to the WelshPAS SIT Environment Website**:  
   Open your web browser and navigate to the WelshPAS SIT environment site and enter your login details

<https://gig06srvwpncw00.cymru.nhs.uk/Citrix/WPAS-NonProdWeb/>

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1. **Choose a WelshPAS SIT Environment**:
   * Pick the one that you want to use for your project or testing.

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1. A screenshot of a computer

   AI-generated content may be incorrect.**Let SikuliX take over!**
   * Click the **"Play"** button next to SikuliX to launch it.
   * When the “Play” button is clicked the SikuliX window will disappear and the automation will begin. Make sure that the WelshPAS page is visable like above. It is good practice to minimise all your other winows apart from Sikulix & WPAS.

**Example 2: Inpatient Workflows**

In this example it will demonstrate how to use multiple SikuliX files one after another, in order to complete a typical Inpatient related workflow (these files can also be run independently of one another)

**1: IPI Emergency Admission**

1. Open **‘CreateMpiPatient’** and have the standard demographics page open of your chosen patient
2. A screenshot of a computer

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   AI-generated content may be incorrect.**Edit** the input data as you see fit:
3. **Run** the File!

**2: IPT Inpatient Transferred**

1. A screenshot of a computer

   AI-generated content may be incorrect.Open **‘CreateMpiPatient’** and have the standard demographics page open of your chosen patient
2. **A screenshot of a computer

   AI-generated content may be incorrect.Fill in** the appropriate data.

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AI-generated content may be incorrect.*Note: This workflow can also be run from the WelshPAS login screen. To do so remove the ‘#’ in-front of the code on lines through 17-29.*

1. Click **Run**!

**3: Pre-Book Inpatient Admission**

1. A screenshot of a computer

   AI-generated content may be incorrect.**Remain** on the patient page (doesn’t matter which tab) and **open** “Pre-Book\_Inpatient\_admission” on Sikulix
2. Click **Run**!